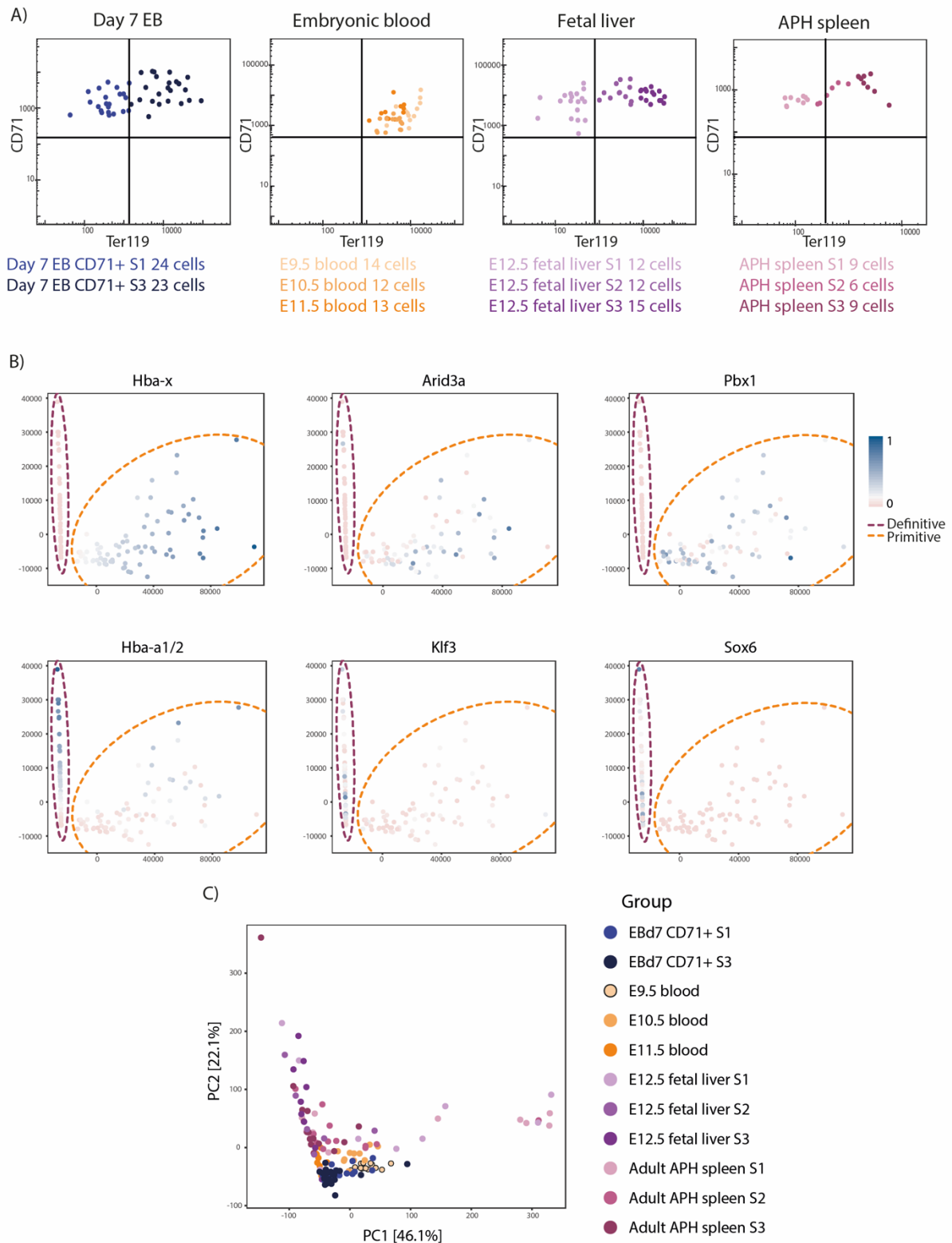


S2 Figure



S2 Fig: Further characterisation of the day7 EB-derived CD71 erythroid cells based on their single cell (Biomark) expression assay confirm their primitive nature.

A) CD71/Ter119 Immunophenotyping plots for FACS-sorted single cells used in RT-PCR experiment (Biomark). The corresponding labels and cell numbers for each population are shown below each plot.

B) Expression for six representative genes demonstrating enrichment in either primitive (top) or definitive (bottom) cells. Relative expression level is represented by the accompanying colour scale plotted on the PCA arrangement from Figure 3B.

C) PCA of housekeeper-normalised expression levels for non-globin probes. Clustering is observed between EB-derived (EBd7) and embryonic erythroid cells (E9.5, E10.5, E11.5 blood) away from definitive red cell populations as indicated by the 'Group' legend.